

44692-66 ENT(d)/ENT(z)/ENP(k)/ENP(h)/T/ENP(w)/ENP(v)/ENP(t)/ENP(l)/ST: LJP(c)  
 ACC NR: AR6010652 EM/RH/WW/JD SOURCE CODE: UR/0276/65/000/010/B176/B176

AUTHOR: Izotova, L. K.

TITLE: Investigation to set up vibration standards for the LZ-26 and LZ-8 slot grinders  
 ers 14

SOURCE: Ref. zh. Tekhnologiya mashinostroyeniya, Abs. 10B1183

REF SOURCE: Tr. Seminara po vopr. progressivn. metodov shlifov. i dovodki detaley, obespech. vysok. i stabil'n. tochnost' i dolgovechn. podshipnikov kacheniya. M., 1964, 143-146

TOPIC TAGS: grinding machine, slotting machine, machine vibration, SURFACE FINISHING 17

ABSTRACT: It is experimentally established that surface ripples in the bearing races of rings are caused during grinding by vibrations in the machine-tool-workpiece system. Reduction of vibrations in this system requires preliminary alignment and adjustment of all units and mechanisms and balancing of rotating masses. It is shown that the vibration level in the spindle unit of the abrasive wheel on the LZ-8 grinder is considerably higher than for the LZ-26 machine due to the more massive and rigid construction of the abrasive wheel unit in the LZ-26 machine. Surface ripple on the slots of inner rings increases with transverse feed of the wheel. The experimental work was used as a basis for developing factory standards on permissible vibrations of machine tool sys-

UDC:621.925.8.001.5

Card 1/2

ACC NR: AR6010652

14  
tems, and specifications for checking vibration in slot grinders. 7 illustrations.  
L. Romancheva. [Translation of abstract]

SUB CODE: 13

hs

Card 2/2

BOYTSOVA, L., inzh.; IZOTOVA, M., inzh.; OPALENOVA, K., inzh.

Better quality, reduced expenses. Mast.prom. i khud.promys. 4 no.3:  
33 Mr '63. (MIRA 16:4)

1. ISentral'naya opytno-tekhnicheskaya shveytnaya laboratoriya.  
(Garment cutting)

MIKHAYLOV, I.A.; IZOTOVA, N.P.; LEVIN, S.Z.

Adsorption purification of the deasphalting agents of Volgograd oils.  
Neftepor. i neftekhim. no.6:7-11 '64. (MIRA 17:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut po pererabotke  
nefti i gaza i polucheniyu iskusstvennogo zhidkogo topliva.

IZOTOVA, N.P.; MIKHAYLOV, I.A.; LEVINSON, S.Z.

Viscous distillate lubricants from adsorption purification.  
Khim. i tekhn. topl. i masel 9 no.6:28-32 Je 164 (MIRA 17:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut po pererabotke nefiti i gaza i polucheniya iskusstvennogo zhidkogo topliva.

MIKHAYLOV, I.A.; POLYAKOVA, A.A.; KHMEL'NITSKIY, R.A.; IZOTOVA, N.P.;  
MEDVEDEV, F.A.; CHERNYSHEVA, M.M.

Mas: spectrometer investigation of the hydrocarbon composition  
of the paraffin-naphthene component of distillate lubricants.  
Khim. i tekhn. topl. i masel 9 no.12:15-20 D '64. (MIRA 18:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut po pererabotke  
nefti i gaza i polucheniyu isskustvennogo shidkogo topliva.

IZHAK, I.G.; KEL'MANSON, S.K.; IZOTOVA, N.V.

Determination of the total fat by the trilonometric method, and  
analysis for excess alkalinity in diluted soaps. Zav.lab. no.11:  
1299-1300 '59. (MIRA 13:4)

1. Kombinat "Apatit".  
(Soap-- Analysis)

**"APPROVED FOR RELEASE: 08/10/2001**

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**CIA-RDP86-00513R000619410010-9"**

USSR/General and Special Zoology - Insects.

P.

Abs Jour : Ref Zhur - Biol., No 7, 1958, 30585

Author : Izotova, T.D., Neklesova, I.D., Goryushin, V.A., Kudrina, M.A.

Inst : -

Title : To the Characteristics of Insecticide and Toxicologic Properties of Octamethyl.

Orig Pub : V sb.: Khimiya i primeneniye phosphororgan. soedineniy. M., AN SSSR, 1957, 491-502

Abstract : According to experiments by the Kazan branch of the Academy of Sciences, USSR, when wheat and pea seeds were moistened with octamethyl (0.5-1%) prior to sowing, the highest content of octamethyl (31-36 ml/kg) in the plants was 26-29 days after the sowing; in 40 days it decreased to 5-11 ml/kg, but was still toxic for the insects; however, the content of octamethyl in 60 days fell to 3-4 mg/kg, and the swedish fly and aphids began to populate the plants.

Card 1/2

IZOTOVA, T.K.  
MIKHEYEV, M.N.; NEIZVESTNOV, B.M.; TURCHINSKIY, I.I.; KOSTENKOV, G.P.:

Magnetic control of the depth of the case-hardened layer and the  
hardness of mouldboards. Zav.lab. 23 no.2:208-211 '57.  
(MIRA 10:3)

1. Ural'skiy filial Akademii nauk SSSR i Vysokogorskiy mekhanicheskiy  
zavod.

(Magnetic measurements) (Cementation(Metallurgy))  
(Flows)

24.2200

S/048/62/026/002/031/032  
B117/B138

AUTHORS: Savchenko, M. K., Sudakov, N. I., and Izotova, T. P.

TITLE: Anisotropy of thin ferromagnetic films

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Seriya fizicheskaya, v. 26, no. 2, 1962, 314 - 317

TEXT: This paper was presented at a conference on magnetism and antiferromagnetism. The authors studied the relationship between the anisotropy of ferromagnetic films and their structural defects and inhomogeneities. Pure Fe, Ni and permalloy (79% Ni, 17% Fe, 4% Mo) were vacuum evaporated on to polished optical glass disks ( $1 \cdot 10^{-5}$  mm Hg). In some cases the base was rotated to prevent, or cause the uniform distribution of structural defects. Anisotropy was determined from the mechanical momenta acting on the film in a rotating uniform magnetic field (4000 oe). The sensitivity of the anisometer was  $1 \cdot 10^3$  erg cm<sup>-3</sup> per mm of scale. Magnetic anisotropy was found to be dependent on the conditions under which the film was produced. Maximum anisotropy is observed with directed incidence  
Card 1/2

✓B

LAPTEY, D.A.; SAVCHENKO, M.K.; SUDAKOV, N.I.; IZOTOVA, T.P.

Anisotropy and magnetic structure of thin iron films. Izv. AN  
SSSR, Ser. fiz. 28 no.1:187-190 Ja '64. (MIRA 17:1)

1. Institut fiziki Sibirskogo otdeleniya AN SSSR i Institut tsvetnykh  
metallov im. M.I.Kalinina.

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KIRENSKIY, L.V.; IZOTOVA, T.F.; SALANIKIY, N.M.; SAVCHENKO, M.K.

Multilayer thin ferromagnetic films. Izv. AN SSSR. Ser. fiz. 29  
no.4:604-609 Ap '65. (MIRA 18:5)

1. Institut fiziki Sibirskogo otdeleniya AN SSSR i Krasnoyarskiy  
gosudarstvennyy pedagogicheskiy institut.

KIRICHENKOY, L.V., IZOTOVA, T.P., JALANSKIY, N.M.

Magnetic interaction of layers in a double-layer film. Izv.  
AN SSSR. Ser. fiz. 29 no.4r610-614 Ap '65. (MIRA 18 5)

1. Institut fiziki Sibirskogo otdeleniya AN SSSR i Krasnoyarskiy  
gosudarstvennyy pedagogicheskiy institut.

ACC NR: AP6007358

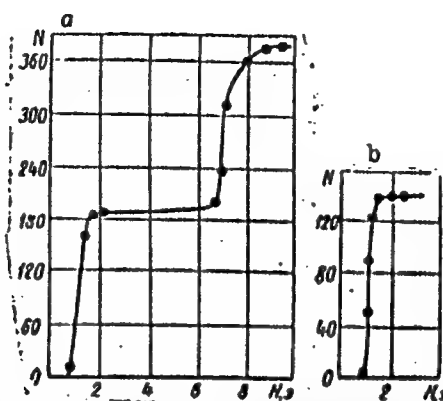


Fig. 1. Integral curves for the distribution of Barkhausen jumps along the field. a - for film of  $\text{Co/SiO}_2/\text{Fe-Ni}$ ; b - for film of  $\text{Fe-Ni}$  (16% Fe, 84% Ni).

Orig. art. has: 4 graphs.

SUB CODE: 11/ SUBM DATE: 09Mar65/ ORIG REF: 001/ OTH REF: 002

Card 2/2

IZOTOVA, T.S.

Studying the character of the potentials of natural polarization  
in carbonate-clay reservoir rocks of the Mlocene in the Kuban-  
Azov Lowland. Geol.zhur. 22 no.4:83-89 '62. (MIRA 15:9)

1. L'vovskiy gosudarstvennyy universitet im. I.Franko.  
(Kuban-Azov Lowland--Oil sands)  
(Kuban-Azov Lowland--Gases in rocks)

IZOTOVA, T.S., MICHENSKAYA, N.A., POPOV, V.K.

Some data on Pre-Albian reservoir rocks in the northern regions  
of Krasnodar Territory. Izv. vys. ucheb. zav., geol. i razv.  
6 no.9:47-56 S '63. (MIRA 17:10)

1. Krasnodarskiy filial Vsesoyuznogo nauchno-issledovatel'skogo  
instituta geofizicheskikh metodov razvedki i L'vovskiy  
gosudarstvennyy universitet im. IV. Franko.

IZOTOVA, T.YE., FILIPPOVA, N.A.

A comparative characterization of the toxicological properties of tetraethyl dithiopyrophosphate and dimethyl diethyl dithiophosphosphate.

Khimiya i Primeneniye Fosfororganicheskikh Soyedineniy (Chemistry and application of organophosphorus compounds) A. YE. ARZTTOV, Ed.  
Publ. by Kazan Affil. Acad. Sci. USSR, Moscow 1962, 632 pp.

Collection of complete papers presented at the 1959 Kazan Conference on Chemistry of Organophosphorus Compounds.



91. EFFECT OF ...	575
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Ichiniya 1 Prikladnoye Tekhnicheskoye Sostoyaniye (Chemistry and Application of Organophosphorus Compounds) A. Ye. Frouzov, Ed. publ. by Kazan' Univ., Acad. Sci. USSR, Moscow, 1962 636pp.	

Collection of complete papers presented at the 1959 Kazan Conference on Chemistry of Organophosphorus Compounds.

POPOV, V.A.; POPOV, Yu.K.; PRIYEZZHEV, G.P.; KULAYEVA, T.M.; VORONOV, N.P.;  
GARANIN, V.I.; NAZAROVA, I.V.; IZOTOVA, T.Ye.; KRASOVSKAYA, L.A.

Results of studying the animal kingdom in the flood zone of the  
Kuybyshev Hydroelectric Power Station. Trudy Kazan. fil. AN SSSR.  
Ser. biol. nauk no.3:7-217 '54 (MLRA 10:5)

(KUYBYSHEV RESERVOIR REGION--ZOOLOGY)  
(WILD LIFE, CONSERVATION OF)

USSR / General and Special Zoology. Insects. Harmful P  
Insects and Arachnids. Pests of Grain Crops.

Abstr Jour: Ref Zhur-Biol., No 14, 1958, 64041.

Author : Izotova, T. Ye.; Goryushin, V. A.

Inst : Kazan Branch, AS USSR.

Title : An Experiment in the Control of Larvae of Click  
Beetles (Wire Beetles) on Corn Plantings in Taz-  
tar USSR.

Orig Pub: Tr. Kazansk. fil. AN SSSR, Ser, biol. n., 1956  
(1957), vyp. 4, 151-157.

Abstract: When seeds were dusted with 1 kg/c of BEC, their  
damage by wire beetles, in comparison with those  
in the control, decreased 1.7 times; when 5 kg/ha  
of BEC was introduced into nests without a fertil-  
izer, it decreased 1.8 times but with a fertil-  
izer it decreased 2.6 times; however, the numbers  
of wire beetles on experimental and control plots

Card 1/2

ALEYNIKOVA, M.M.; IZOTOVA, T.Ye.

Myriapods of the Tatar A.S.S.R. [with English summary in insert].  
Zool.zhur. 35 no.6:843-846 Je '56. (MLRA 9:10)

1. Biologicheskii institut Kazanskogo filiala AN SSSR.  
(Tatar A.S.S.R.--Myriapoda)

IZOTOVA, T. Ya.

Myriapoda of the Tatar A.S.S.R. Uch.zap.Kaz.un. 120 no.6:139-  
154 '60. (MIRA 16:2)  
(Tatar A.S.S.R.-- Myriapoda)

IZOTOVA-VINTER, Aleksandra L'vovna; KHARCHENKO, L.I., red.; CHARYKOVA,  
G.M., tekhn.red.

[Health resort of Teberda] Kurort Teberda. Stavropol, Stavro-  
pol'skoe knizhnoe izd-vo, 1959. 71 p. (MIRA 13:9)  
(TEBERDA--HEALTH RESORTS, WATERING PLACES, ETC.)

IZOV, A.A.

Material on the feeding habits and population dynamics of the European wood mouse and the red-backed bank vole in isolated forests of Voronezh Province. Uch.zap. Kursk.gos.ped.inst. no.4:84-102 '57. (MIRA 12:4)

1. Iz kafedry biologii Voronezhskogo gosudarstvennogo universiteta (zav. - prof. I.I. Barabaah-Nikiforov) i kafedry biologii Kurskogo gosudarstvennogo pedagogicheskogo instituta (zav. - prof. M.R. Geller). (Voronezh Province--Mice)

IZRAEL', A.; KOKHANIRA, M.; SULEYMENOV, M.; YUKATOV, Yu.; SHEYFINA, L.

Some problems in the study of karakul sheep in Uzbekistan. Biul.  
SAGU no.28:73-88 '49. (MLRA 9:5)  
(Uzbekistan--Karakul sheep)



IZRAEL<sup>4</sup>, A.I.

Studying conditioned reflex changes in the blood under mountain  
conditions. Trudy SAGU no.59:3-15 '54. (MLRA 9:12)  
(ALTITUDE, INFLUENCE OF) (BLOOD--ANALYSIS AND CHEMISTRY)  
(CONDITIONED RESPONSE)

IZRAEL', A.I.

Two types of physiological reactions in horses under mountain conditions. Trudy SAGU no.59:16-25 '54. (MIRA 9:12)  
(HORSES--PHYSIOLOGY) (ALTITUDE, INFLUENCE OF)

YUNUSOV, A.Yu., akademik, otv.red.; VOLYNSKIY, A.S., prof., red.; IZRAEL',  
A.I., prof.; red.; KAMILOV, I.K., kand., red.; KRYZHENKOV, A.N., kand.  
biol.nauk, red.; SADYKOV, A.S., prof., red.; SAGATOV, R.S., kand.  
med.nauk, red.; TURAKULOV, Ya.Kh.; kand.biol.nauk, red.; KHAYRIT-  
DINOV, Kh.Sh., kand.biol.nauk, red.; KHASHIMOV, A.Kh., prof., red.;  
YAKOVENKO, Ye.P., red.isd-va; SHARIKOVA, V.P., tekhn.red.

[Papers from the First Conference of Physiologists, Biochemists, and  
Pharmacologists of Central Asia and Kazakhstan] Materialy I Konferentsii  
fiziologov, biokhimikov i farmakologov Srednei Azii i Kazakhstana.  
Tashkent, Izd-vo Akad.nauk Uzbekskoi SSR, 1958. 647 p. (MIRA 12:3)  
(Continued on next card)

YUNUSOV, A. Yu. --- (continued) Card 2.

1. Konferentsiya fiziologov, biokhimikov i farmakologov Sredney Azii i Kazakhstana. 1st, Tashkent, 1957. 2. Akademiya nauk Uzbekskoy SSR, Tashkent (for Yunusev, Turakulov, Khayrutdinov). 3. Meditsinskiy institut, Tashkent (for Volynskiy, Sadykov, Khashimov). 4. Sredneaziatskiy gosudarstvennyy universitet, Tashkent (for Izrael').

(PHYSIOLOGY)

(BIOCHEMISTRY)

(PHARMACOLOGY)

IZRAEL, S. (Sofiya)

Development and status of medical historiography in Bulgaria.

Sov.zdrav. 18 no.4:44-49 '59.

(MIRA 12:4)

(HISTORY, MEDICAL,  
in Bulgaria (Bul)

PANEV, As.; IZRAEL, S.; POPOV, Mir.

The medicine of the Greek and Bulgarian peoples. Interrelations, influences and age-long collaboration. Nauch. tr. vissh. med. inst. Sofia 41 no.6:1-10 '62.

1. Predstavena ot prof. As. Panov.  
(HISTORY OF MEDICINE)

IZRAEL, Yu.A.; KOGAN, R.M.; FRIDMAN, Sh.D.

Deformation of the gamma field in the lowest atmospheric layer  
determined by a forest cover. Izv.AN SSSR.Ser.geofiz.  
no.8:1126-1135 Ag '62. (MIRA 15:8)

1. Institut prikladnoy geofiziki AN SSSR.  
(Gamma rays) (Forests and forestry--Valuation)

S/089/63/014/003/011/020  
B102/B186

AUTHOR: Izrael', Yu. A.

TITLE: Calculation of the dose rate inside a spherical source with Gaussian distribution of a gamma emitter

PERIODICAL: Atomnaya energiya, v. 14, no. 3, 1963, 317 - 318

TEXT: In certain geophysical problems it is necessary to know the gamma dose rate in air or water inside a spherical source with symmetrical distribution of the emitters. For air, the dose rate due to the emission from a volume element  $dv$  at the distance  $l$  from the source center is given by

$$dP = \frac{k\sigma_a\delta(R)e^{-\mu r}B_d(\mu r, E_\gamma)dv}{4\pi r^2} \quad \text{where } \delta(R) = \delta_0 e^{-R^2/2\sigma^2} \text{ is the emitter con-}$$

centration in  $dv$  at the distance  $R$  from the source center,  $\delta_0$  is its concentration in the center,  $\sigma^2$  characterizes the emitter dispersion,  $k$  is a calibration constant,  $r$  is the distance from the reference point to  $dv$ ,  $\sigma_a$  and  $\mu$  are linear coefficients of energy absorption in air and  $\gamma$ -ray attenuation in the source, respectively;  $B_d(\mu r, E_\gamma)$  is the dose factor for

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S/089/63/014/003/011/020

B102/B186

Calculation of the dose rate ...

$$0.5 \leq E \leq 2.0 \text{ Mev: } B_d(\mu r, E_Y) \approx A_1 e^{-\alpha_1 \mu r} + (1 - A_1) e^{-\alpha_2 \mu r} \approx 1 + \mu r + \frac{(\mu r)^2}{7E_Y^{2.4}}.$$

The latter expression is somewhat more accurate for small distances and is used in the following. When polar coordinates are introduced,

$$R^2 = r^2 + l^2 - 2rl \cos \theta \quad \text{and}$$

$$P(l, \sigma) = \frac{k\sigma_0 \delta_0 e^{-l^2/2\sigma^2} \sigma^3 \sqrt{\pi}}{2l} \left[ F(q_2) - F(q_1) + \right. \\ \left. + \frac{\mu\sigma}{\sqrt{2}} (e^{q_1^2} \text{erfc } q_1 - e^{q_2^2} \text{erfc } q_2) + \right. \\ \left. + \frac{\mu^2 \sigma^3}{7E_Y^{2.4}} (q_2 e^{q_1^2} \text{erfc } q_2 - q_1 e^{q_2^2} \text{erfc } q_1) \right], \quad (5)$$

$$q_1 = \frac{\mu\sigma}{\sqrt{2}} - \frac{l}{\sigma\sqrt{2}}; \quad q_2 = \frac{\mu\sigma}{\sqrt{2}} + \frac{l}{\sigma\sqrt{2}}; \quad (6) \\ F(x) = \int_0^x e^{t^2} \text{erfc } t \, dt.$$

$F(x)$  has to be determined from a series expansion. When  $\delta$  is given in Mev/cm<sup>3</sup>sec and  $P$  in r/hr, and when 34 ev are assumed to be spent per ion pair produced, then  $k = 5.09 \cdot 10^{-2} \text{ (r/hr)/Mev/cm}^3\text{sec}$ . For an air-equivalent medium the relation  $P = 4\pi K_Y Q/\sigma_a'$  is a good approximation;  $K_Y$  is the gamma constant of the emitter,  $Q$  the specific activity of the source and  $\sigma_a'$  the

Card 2/3

IZRAEL<sup>c</sup>, Yu.A.

Effect of the microrelief of the earth's surface on the  
distribution of gamma-radiation in the surface layer of the  
atmosphere. Izv. AN SSSR Ser. geofiz. no.5:818-824 My '63.  
(MIRA 16:6)

(Landforms) (Gamma rays)

ACCESSION NR: AP4043141

8/0049/64/000/007/1103/1115

AUTHOR: Izrael', Yu. A.

TITLE: Gamma radiation field in the lowest layer of the atmosphere due to surface radioactive contamination of an area

SOURCE: AN SSSR. Izv. Seriya geofizicheskaya, no. 7, 1964, 1103-1115

TOPIC TAGS: gamma radiation, radioactive contamination, atmospheric surface layer, radioactive isotope, fallout, surface contamination

ABSTRACT: At present, the literature contains only fragmentary data on computations of gamma fields from surface sources and virtually no data on the influence of natural conditions on the gamma field resulting from surface contamination of an area. The author therefore computed the intensity of the dose of gamma radiation in the lowest layer of the atmosphere over an area contaminated by radioactive isotopes, assuming that the contamination is at the surface. It is shown that up to heights of 200 m the character of the relationship between the intensity of the dose and the density of surface contamination with radioactive isotopes is slightly dependent on the energy of the primary gamma radiation. On the basis of computations and model experiments, an estimate is made of the influence of real conditions (such as composition of the underlying surface, irregularities of the soil

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ACCESSION NR: AP4043141

surface, the vegetation cover and meteorological conditions) on the gamma radiation field due to surface contamination. The results are graphed and the following conclusions are drawn: 1. The character of the relationship between the intensity of the dose  $P(h)$  and the surface density of contamination  $\sigma$  of an area, derived for a plane isotropic source when  $h \leq 200$  m, and especially in the range of heights 100-150 m, is slightly dependent on the energy of primary gamma radiation. 2. An underlying surface without a vegetation cover has virtually no influence on the relationship of  $P(h)$  to  $\sigma$  when  $h > 10-15$  m. The micro-relief of the underlying surface decreases the intensity of the dose at a height of 1 m by a factor of 1.25 in an uncultivated level area and by a factor of 1.6 in a cultivated area, the intensity of unscattered gamma radiation is reduced by factors of 1.4 and 2.2, respectively (for  $E = 1$  Mev). 3. A vegetation cover screens the gamma radiation from surface contamination. Young and mature forests of various classes can decrease the intensity of the dose by a factor of 1.3-2.5, accompanied by a decrease in the intensity of unscattered gamma radiation by a factor of 2.5-4. 4. The change in atmospheric density and air moisture content with height up to  $h = 200$  m exerts virtually no influence on the form of the relationship of  $P(h)$  to  $\sigma$ . Temperature and pressure changes are more effective: for example, a change in temperature from  $-30$  to  $+30^\circ\text{C}$  changes the scaling factor  $K_{100(1)}$  (for dose intensity) by  $\sim 20\%$  (for  $E = 1$  Mev). Orig. art. has 25 formulas, 6 figures and 4 tables.

Card 2/3

IZRAEL', Yu. A.; KOLESHNIKOVA, V. N.; ROMANOV, V. V.; SOYFER, V. N.

Tritium content in glaciers. Dokl. AN SSSR 156 no. 1:72-73  
My '64. (MIRA 17:5)

1. Institut prikladnoy geofiziki Glavnogo upravleniya gidrometeorologicheskoy sluzhby pri Sovete Ministrov SSSSR, Institut matematiki AN UzbSSSR i Vsesoyuznyy nauchno-issledovatel'skiy institut yadernoy geofiziki i geokhimii Gosudarstvennogo geologicheskogo komiteta.

IZRAEL', Yu.A.

Effect of surface irregularities on a gamma field over an  
area contaminated with radioactive fallout. Atcm. energ. 17  
no.2:137-140 '64 (MIRA 17:8)

L 3102-66 EWT(1)/FCC GS/GW

ACCESSION NR: AT5023934

UR/0000/65/000/000/0164/0130

AUTHOR: Grechushkina, M. P.; Izrael', Yu. A.  
44.55 44.55

30  
8+1

TITLE: Fractionation of the radioactive products of a nuclear explosion

SOURCE: Nauchnaya konferentsiya po yadernoy meteorologii. Obninsk, 1964. Radio-aktivnyye izotopy v atmosfere i ikh ispol'zovaniye v meteorologii (Radioactive isotopes in the atmosphere and their use in meteorology); doklady konferentsii. Moscow, Atomizdat, 1965, 164-180

12,44.55 14  
TOPIC TAGS: nuclear meteorology, radioactive fallout, atmospheric pollution, nuclear explosion, nuclear fractionation, radioactive isotope

ABSTRACT: This paper presents a review of selected literature written by world authorities on various aspects of the fractionation of the radioactive products of nuclear explosions detonated on the ground and in the air. Topics discussed include the processes leading to fractionation, methods of making quantitative estimates and calculations of amounts of fractionation occurring after explosions of varying sizes, and secondary fractionation. Orig. art. had: 3 figures, 4 formulas, and 3 tables. [ER]

ASSOCIATION: none

Card 1/1

L 3102-66

ACCESSION NR: AT5023934

SUBMITTED: 28Apr65

ENCL: 00

SUB CODE: ES, NP

NO REF SOV: 002

OTHER: 029

ATD PRESS: 4101

*Chen*  
Card 2/2



IZRAEL', Yu.A.; NEKOLAEV, A.V.; NIKOLAYEV, P.V.; STUKIN, Ye.D.

Gamma-ray spectrum of an artificial model of radioactive fallout.  
Atom. energ. 10 no.2:199-200 Ag '66. (MIRA 1800)

L 2664-66 EWT(1)/EWT(m)/FCC DIAAP GS/GW UR/0000/65/000/000/0466/0472  
ACCESSION NR: AT5023961

AUTHOR: Izrael', Yu. A.; Tishchenko, O. P.; Shchutinin, N. N.

TITLE: Adsorption method of determining radon concentration in the air from an airplane

SOURCE: Nauchnaya konforentsiya po yadernoy meteorologii. Obninsk, 1964. Radioaktivnyye izotopy v atmosfere i ikh ispol'zovaniye v meteorologii (Radioactive isotopes in the atmosphere and their use in meteorology); doklady konferentsii. Moscow, Atomizdat, 1965, 466-472

TOPIC TAGS: nuclear meteorology, aircraft radon measurement, radioactive aerosol

ABSTRACT: A brief description is given of experimental airborne equipment devised for in-flight measurement of the radon concentration in the atmosphere (apparently modified activated-carbon equipment previously used for surface measurements). The laboratory techniques and procedures used to calculate optimum conditions for the rate and interval of sample collecting, as well as results obtained in tests of the equipment are also presented. Radon concentrations

Card 1/2.

L 2664-66  
ACCESSION NR: AT5023961

measured over land areas near the White Sea in 1960 were in agreement with data cited by Kirichenko and by Karol' and Malakhov in "Voprosy yadernoy meteorologii" (Problems in Nuclear Meteorology), Gosgeol-tekhnizdat, 1962. Orig. art. has: 2 figures. [ER]

ASSOCIATION: none

SUBMITTED: 28Apr65

ENCL: 00

SUB CODE: ES, NP

NO REF SOV: .007

OTHER: 000

ATD PRESS: 4101

Card 2/2

L 5070-66 EWT(m)/SNA(h) DM  
ACC NR: AP5022644

UR/0009/65/019/002/0199/0200  
551.577.7

AUTHORS: Izrael', Yu. A.; Nekozyrev, A. F.; Nikolayev, F. V.;  
Stukin, Ye. D.

TITLE: Artificial model for studying gamma ray spectra of  
radioactive fallouts. //

SOURCE: Atomnaya energiya, v. 19, no. 2, 1965, 199-200

TOPIC TAGS: gamma radiation, radiation simulation, air pollution

ABSTRACT: The measurements of gamma radiations above the earth surface contaminated by Co-60 isotopes are described. For simulating radioactive fallouts, one hundred of Co-60 sources of 96 mg Ra- equivalent units were used. Each source was placed in the centre of a 40 x 40 m square at a height of 10-15 cm over the ground. The surface density was about  $3.8 \times 10^{-2}$  curie/sq m ( $3.5 \cdot 10^{-2}$  Mev/sq cm sec). The dose rate at one-meter level was 1.75 mr/hr while at the altitude of 200 m this rate was about 0.12 mr/hr. The radiation spectrum was measured from a helicopter flying at 20-200 m with a speed of 50-60 km/hr. The measurement time was 30 sec for three crossing flights. A 100 x 100 mm NaI(Tl) crystal was used for the spectrometer arranged on the basis of AI-100

Card 1/3

076/0 450

ACC NR: AP5022644

analyzer. The resolution was 12.5%. The results of measurements are shown in Fig. I of the Enclosure where the aspect of gamma spectrum above the Co-60 contaminated area is presented by five curves plotted for five altitudes. Comparing their experimental results with calculations the authors conclude that their data coincided well with those obtained theoretically. This coincidence is illustrated in two graphs. Orig. art. has: 3 graphs.

ASSOCIATION: None

SUBMITTED: 200ct64

ENCL: 01

SUB CODE: NF

NO REF SOV: 003

OTHER: 003

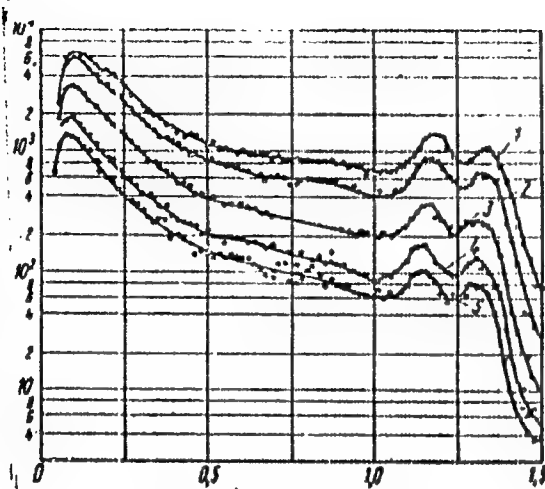
Cerd 2/3

L 5070-66

ACC NR: AP5022644

ENCLOSURE 01

Count rates in pulse/sec. Mev



Energy in Mev

Fig. 1

Curve 1:	at	20 m
" 2:	"	50 "
" 3:	"	110 "
" 4:	"	150 "
" 5:	"	200 "

Card 3/3

"APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619410010-9

~~SECRET~~ 40M /ZRAELIT E.M

APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619410010-9"

IZRAELIT, E.M.

VODNEV, G.G.; SHELKOV, A.K.; DIDENKO, V.Ye.; FILIPPOV, B.S.; TSAREV, M.H.;  
ZASHVARA, V.G.; LITVINENKO, M.S.; MEDVEDEV, K.P.; MOLODTSOV, I.G.;  
IGALOV, K.I.; RUBIN, P.G.; SAPOZHNIKOV, L.M.; TYUTYUNNIKOV, G.N.;  
DMITRIYEV, M.M.; LEYTES, V.A.; LERNER, B.Z.; MEDVEDEV, S.M.; REYAKIN,  
A.A.; TAYCHER, M.M.; TSOGLIN, M.E.; DVORIN, S.S.; RAK, A.I.; OBUKHOV-  
SKIY, Ya.M.; KOTKIN, A.M.; ARONOV, S.G.; VOLOSHIN, A.I.; VIROZUB, Ye.V.;  
SHVARTS, S.A.; GINSBURG, Ya.Ye.; KOLYANDR, L.Ya.; BELITSKAYA, A.F.;  
KUSHNAREVICH, N.R.; BRODOVICH, A.I.; NOSALEVICH, I.M.; SHTROMBERG, B.I.;  
MIROSENICHENKO, A.M.; KOPELIOVICH, V.M.; TOPORKOV, V.Ya.; AFONIN, K.B.;  
GOFTMAN, M.V.; SEMENENKO, D.P.; IVANOV, Ye.B.; PRYSAKHZON, I.B.;  
KULAKOV, N.K.; IZRAELIT, E.M.; KVASHA, A.S.; KAPTAN, S.I.; CHERIGNYKH,  
M.S.; SHAPIRO, A.I.; KHALABUZAR', G.S.; SNET, P.Ye.; GABAY, L.I.;  
SMUL'SON, A.S.

Boris Iosifovich Kustov; obituary. Koks i khim. no.2:64 '55.(MLRA 9:3)  
(Kustov, Boris Iosifovich, 1910-1955)



IZRAELIT, Eleazar Moiseyevich; CHERMNYKH, Mikhail Sergeevich; VIROZUB,  
I.V., redaktor; LIBERMAN, S.S., redaktor, ANDREYEV, S.P., tekhnicheskii redaktor

[Gas utilization in coking plants] Gazovoe khoziaistvo koksovykh tsekhov. Khar'kov, Gos.nauchno-tekhn. izd-vo lit-ry po cherno i tsvetnoi metallurgii, 1955. 174 p. (MLRA 9:2)  
(Coke industry)

SOV/68-58-9-6/21

AUTHORS: Izraelit, E.M. and Zubilin, I.G.

TITLE: On the Position of the Heating Level in Coke Ovens of the PVR Type (O raspolozhenii urovnya obogreva v pechakh sistemy PVR)

PERIODICAL: Koks i shiniya, 1958, Nr 9, pp 22-27 (USSR)

ABSTRACT: An investigation of the establishment of optimum heating conditions of coke ovens of the PVR type, fired with blast furnace gas is described. Donets coals of 8-12% moisture content, crushed to 88-89% of below 3mm size, were carbonised. It was established that sufficient heating of the top part of the charge is obtained when the top heating level is situated about 600mm from the top of the oven. A rise of the heating level above 600mm from the top of the oven does not improve heating of the main mass of the coal charge and only leads to useless overheating of the top of the ovens. There are 10 tables and 3 figures.

ASSOCIATION: Giprokoks

Card 1/1

107/66-59-4-9/25

An Investigation of the Operation of the Distributing  
Installations of Coke Oven Regenerators

uniformity of the distribution of gases along the  
length of the regenerator's chamber. An increase in  
the under roof space of the regenerators deteriorates  
the distribution of gases along the length of the  
regenerator's chamber. There are 8 tables.

ASSOCIATION: Giprokoks

Card 2/2

IZRAELIT, Eliazar Moiseyevich; CHERMNYKH, Mikhail Sergeyevich; KVASHA,  
A.S., otv.red.; BELINA, R.A., red.izd-va; LIBERMAN, S.S., red.;  
ANDREYEV, S.P., tekhn.red.

[Coke oven firing] Otoplenie koksovykh pechei. Khar'kov, Gos.  
nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi metallurgii,  
1960. 324 p. (MIRA 13:9)

(Coke ovens--Combustion)

IZRAELIT, E.M.

Factors determining the heat expended for coking. Koks 1 khim.  
no.2:22-27 '60. (MIRA 13:5)

1. Giprokoks.  
(Coal--Carbonization) (Heat of combustion)

IZRAELIT, Eliazar Moiseyevich

[Improving the heating systems of coke ovens] Sovershen-  
stvovanie otopitel'noi sistemy koksovykh pechei. Moskva,  
Metallurgiya, 1964. 218 p. (MIRA 17:9)

SICHENKO, V.E.; IVANOV, B.V.; POLYAKOV, I.I.; REZNIKOV, A.A.;  
LORFMAN, G.A.; IZRAELIT, Y.E.M.; DOTYCH, A.G.; TOPTGIN,  
L.A.; CHALYY, G.Ya.; STETSENKO, Ye.Ya.; UDOVICHENKO, L.V.;  
FILIPPOV, B.S., nauchn. red.; LERNER, R.Z., nauchn. red.;  
GOL'DIN, Ya.A., glav. red.; KULESHOV, M.M., red.; POLOTSK,  
S.M., red.

[By-product coke industry] Koksokhimicheskoe proizvodstvo.  
Moskva, Metallurgiya, 1966. 177 p. (MIRA 18:7)

1. Tsentral'nyy nauchno-issledovatel'skiy institut in-  
formatsii i tekhniko-ekonomicheskikh issledovaniy chernoy  
metallurgii. 2. Direktor Tsentral'nogo nauchno-issledova-  
tel'skogo instituta informatsii i tekhniko-ekonomicheskikh  
issledovaniy chernoy metallurgii (for Kulashov).

TAYTS, Ye.M., doktor tekhn. nauk; SHVARTS, S.A., kand. tekhn. nauk[deceased]; PEYSAKHSON, I.B., inzh.; GEL'FER, M.L., inzh.; DMITRIYENKO, M.T., inzh.; DORFMAN, G.A., inzh.; IZRAELIT, Ye.M., inzh.; KULAKOV, N.K., inzh.; KUSHLYANSKIY, B.S., inzh.; MEYKSON, L.V., inzh.[deceased]; LEXONOV, A.S., inzh.; SHVARTS, G.A., inzh.; SHVARTSMAN, I.Ya., inzh.; YATSENKO, M.Ya., inzh.; RABIN, P.P., inzh.; KHAKIN, I.M., doktor tekhn. nauk, prof., red.; KOZYREV, V.F., inzh., red.; KUPCHAN, P.I., inzh., red.; LGALOV, K.I., inzh., red.; LEYTES, V.A., inzh., red.; LERNER, B.Z., inzh., red.; POTAPOV, A.G., inzh., red.; SHELKOV, A.K., red.

[By-product coke industry worker's handbook in six volumes]  
Spravochnik koksokhimiya v shesti tomakh. Moskva, Metal-  
lurgiya. Vol.2. 1965. 288 p. (MIRA 18:8)



PRYANISHNIKOVA, N. I., Izvinita uchastiy IZRABLIT, V. A.

Distribution coefficient of anesthetics at the boundary line of solid and liquid phases of the sciatic nerve in rabbits. Dokl. AN SSSR 167 no. 2:507-510 J1 '65. (MIRA 18:7)

1. Nauchno-issledovatel'skiy institut farmakologii i kardioterapii AMN SSSR (for Pryanishnikova), 2. Pervyy Moskovskiy meditsinskiy institut (for Izraelit). Submitted July 10, 1961.

GLAZOVA, O. I., doktor med. nauk; IZRAELIT, S. S.; SHCHEGOLEVA, T. G.;  
LEIN, B. N.

Diagnosis of the active phase of the cardiac form of rheumatic  
fever. Terap. arkh. no.12:30-35 '61. (MIRA 15:2)

1. Iz terapevticheskoy kliniki (zav. - prof. P. L. Sukhinin) i  
laboratorii (zav. - kandidat meditsinskikh nauk V. V. Novosel'-  
skaya) Moskovskogo nauchno-issledovatel'skogo instituta skoroy  
pomoshchi imeni Sklifosovskogo.

(RHEUMATIC HEART DISEASE)



1. IZRAYEL'SON, M. M.
2. USSR (600)
4. Skin - Diseases
7. Effect of cortical and subcortical pharmacological preparations on the development of staphylococcal skin injuries. Vest. ven. i derm. no. 6, 1952.

9. Monthly List of Russian Accessions, Library of Congress, March 1953. Unclassified.

1. IZRAYEL'SON, M. N.

2. USSR (600)

4. Pharmacology

7. Effect of cortical and subcortical pharmacological preparations on the development of staphylococcal skin injuries. Vest.ven. i derm. no. 7, 1952

9. Monthly List of Russian Accessions. Library of Congress. March 1983. Unclassified.

IZAEL'SON, Z.I., red.

[Toxicology of rare earth metals] Toksikologiya redkikh  
metallov. Moskva, Gos. izd-vo Med. lit-ry, 1963. 334 p.  
(MIRA 1F:12)



IZRAEL'SON, Z. I.

"Book Review of 'Material on Toxicology of Schist Products,' a collection of works, edited by Prof. N. V. Lazarev, Cig. 1 San., No. 11, 1948

Leningrad Sci.-Res. Inst. of Labor Hygiene and Occupational Diseases.



Dec 48

USSR/Medicine - Literature  
Medicine - Labor Hygiene

"Review of L. K. Khot'syanov's Book, 'Labor Hygiene  
in Machine-Building Factories,' " Z. I. Izrael'son,  
1 p

"Gig i San" No 12

"Part II of a series discusses 'hot shops.' Published  
by Acad Med Sci, Moscow, 1948. Subject matter  
is limited to care of workers in casting and  
foundry shops. Book contains valuable information,  
but is organized poorly and contains many errors  
57/49764

Dec 48

USSR/Medicine - Literature (Contd)

in tables, graphs, and general data. Nevertheless,  
book can be recommended as good reading  
material for doctors assigned to industrial  
enterprises.

IZRAEL'SON, Z. I.

57/49764 .

1943, p. 1.

2757. Problem metallov i drevnykh i sovremennykh tekhnologiy. V. 1. Voprosy  
sredstva razvitiya, ekonomika, mikroelektronika. T. I. M.,  
1943, s. 171-73.

1. Istoriya zhurnal'nykh statey, Vol. 27, 1943

CA |ZRAEL'SON, Z.I.

General characteristics of the rarer metals from industrial hygiene viewpoint. Z. I. Israel'son and O. Ya. Mogilevskaya (Med. Inst., Moscow). *Gigiena i Sanit.* 1949, No. 2, 19-27.—A review of principal sources and uses of the rarer metals, and a review of known toxicity of Ti, In, V, Mo, W, Zr, Co, Sn, and Cd. G. M. K.

IZRAEL'SON, Z. I.

35443. O Kinofikatsii Prepodavaniya Gигieny Truda V Meditsinskikh. Gигiena  
i Sanitariya, 1949, No. 11, s. 42-45.

Letopis' Zhurnal'nykh Statey, Vol. 48, Moskva, 1949

"Educational Film for Teaching Labor Hygiene at Medical Institutions",  
Gig. i San., No. 11, 1949  
Chair of Labor Hygiene, First Moscow Order of Lenin Med. Inst.

IZRAEL'SON, N. I.

Public Health - Study and Teaching

Independent work of students enrolled in the 12th semester  
of the Sanitation and Hygiene Department of the First Moscow Lenin  
Medical Institute. Gig. i san. no. 3, 1952

9. Monthly List of Russian Accessions, Library of Congress, August 1952, Uncl.

1. BEREZOVA, M. K.; IZRAYEL'SON, Z. I.; KLENOVA, YE. V.; MOGILEVSKAYA, G. YA.
2. USSR (600)
4. Industrial Hygiene
7. Manual on practical studies in industrial hygiene, M. K. Berezova, Z. I. Israyel'son, Ye. V. Klenova, G. YA. Mogilevskaya; reviewed by Z. Gorkin, M. Karminskiy, L. Karlson, YE. Al'bitskaya, G. Evtushenko, Gig. i san., no. 4, 1953.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

IZRAYEL'SON, Z.I.

Work of the department of industrial hygiene of the Order of Lenin  
1st Moscow Medical Institute on toxicology of rare metals. Oig. sanit.,  
Moskva no.12:36-39 Dec 1953. (GLML 25:5)

IZRAEL'SON, Z.I.

Scientific basis for the maximum allowable quantity of harmful substances in air. Gig.1 san. no.4:50-51 Ap '54. (MLRA 7:4)  
(Air--Pollution)



LETAVET, A.A.; RYAZANOV, V.A.; KHOTSYANOV, L.K.; MOROZOV, A.L.; MARTSINKOVSKIY, B.I.; MITEREV, G.A.; IVANOV, V.A.; IZRAEL'SON, Z.I.; ORLOV, N.I.; CHERKINSKIY, S.N.; BERYUSHOV, K.G.; KIBAL'CHICH, I.A.; TARASENKO, N.Yu.; DRAGICHINA, Ye.A.; VORONTSOVA, Ye.I.; SANINA, Yu.P.; KREMNEVA, S.N.; KULAGINA, K.K.; SHAFRANOVA, A.S.; TIKHAYA, M.G.; MOLOKANOV, K.P.; RAZUMOV, N.P.; KURLYANDSKAYA, E.B.; KHALIZOVA, O.D.

In memory of Professor N.S.Pravdin. Sig.1 san. no.4:61 4p '54.

(MLRA 7:4)

(Pravdin, Nikolai Sergeevich, )

IZRAEL'SON, Z.I., professor

Some comments on E.TS.Andreeva-galanina's and S.L.Danisheskii's  
article "Teaching industrial hygiene." Gig. i san. 21 no.5:46-48  
My '56. (MIRA 9:8)

(INDUSTRIAL HYGIENE, education,  
in Russia (Rus))

IZRAEL'SON, Z.I. (Moskva)

Conference on problems in industrial medicine in the German  
Democratic Republic. Gig.truda i prof.zab. 1 no.2:56-57 Mr-Apr '57.  
(LUNGS--DUST DISEASES) (MIRA 10:6)

1214013001 < 1

IZRAEL'SON, Z.I. (Moskva); SMELYANSKIY, Z.B. (Moskva)

Initial and advanced training of specialists in labor hygiene and occupational diseases in the U.S.S.R. Gig.truda i prof.zab. 1 no.5:45-49 S-O '57. (MIRA 10:11)

1. I Moskovskiy ordean Lenina meditsinskiy institut i Kafedra gigiyeny truda TSentral'nogo instituta usovershenstvovaniya vrachey.  
(INDUSTRIAL HYGIENE--STUDY AND TEACHING)

*1-4-57*  
IZRAEL'SON, Z.I.

"Vibration and its role in labor hygiene" by E.TB.Androeva-Galanina.

Reviewed by A.I.Izrael'son, Gig.truda i prof.sab. no.4:57-58

Jl-Ag '57.

(MIRA 10:11)

(VIBRATION--PHYSIOLOGICAL EFFECT)

IZRAEL'SON, Z.I., prof. (Moskva)

"Prevention of silicosis." Reviewed by A.I. Israel'son, Klin.med.  
35 no.12:130-131 D '57. (MIRA 11:2)  
(LUNG--DUST DISEASES)

IZRAEL'SON, Z.I.

Problems in industrial hygiene and occupational diseases at  
scientific meetings and conferences devoted to the 40th anniversary  
of the Great October Revolution. Gig.truda i prof. zav. 2 no.4:56-57  
Jl-Ag '58 (MIRA 11:9)  
(INDUSTRIAL HYGIENE)

"Aerosols of rare metals, their compounds and alloys as a  
new factor of industrial environment."

report submitted at the 13th All-Union Congress of Hygienists, Epidemiologists  
and Infectionists, 1959.



IZRAEL'SON, Z.I.

Economic importance of measures for sanitation and labor safety. Gig.  
truda i prof. zab. 4 no.3:61-62 Mr '60. (MIRA 15:4)

1. I Moskovskiy ordena Lenina meditsinskiy institut.  
(FACTORY SANITATION) (INDUSTRIAL SAFETY)

IZRAEL'SON, Z.I.

Comments by a foreign researcher (Federal German Republic)  
on Soviet standards for the maximum permissible amount of  
harmful substances in the air of industrial enterprises.  
Gig. truda i prof. zab. 4 no.12:55 D '60. (MIRA 15:3)

1. I Moskovskiy ordena Lenina meditsinskiy institut imeni  
I.M. Sechenova.

(AIR---POLLUTION)

IZRAEL'SON, Z.I., prof.

Technical progress and problems of labor hygiene. Gig. i san. 25  
no.2:3-12 P '60. (MIRA 13:6)

1. Iz kafedry gigiyeny truda i Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M. Sechenova.  
(INDUSTRIAL MEDICINE)

IZRAEL'SON, Z.I.

Allowable limit of metal powder dust content in the air. Porosh.  
met. 1 no.6:98-100 N-D '61. (MIRA 15:5)

1. 1-y Moskovskiy ordena Lenina meditsinskiy institut imeni  
I.M.Sechenova.

(Powder metallurgy--Hygienic aspects)  
(Air--Pollution)

IZRAEL'SON, Z.I., prof. (Moskva)

Technical progress and public health problems. Sov. zdrav. 20 no.8:  
8-13 '61. (PUBLIC HEALTH) (MIRA 15:1)

PHASE I BOOK EXPLOITATION.

SOV/6515

Izrael'son, Z. I., Ed., Professor

Toksikologiya redkikh metallov (Toxicology of Rare Metals) Moscow,  
Medgiz, 1963. 335 p. 1500 copies printed.

Ed.: R. S. Khamidullin; Tech. Ed.: Yu. S. Bel'chikova.

PURPOSE: To provide information on the toxic effects of rare metals.

COVERAGE: The chemistry and industrial applications of rare metals  
and their aerosols are discussed. The clinical picture and  
pathology of rare-metal poisonings is also given. There are 307  
references.

Card 1/ 4

Toxicology of Rare Metals

SOV/6515

10. Nickel. O. Ya. Mogilevskaya	151
11. Cobalt. Z. S. Kaplun (Deceased)	164
12. Barium compounds. G. I. Rumyantsev	176
13. Zinc and Zinc oxide. I. Ya. Mogilevskaya	187
14. Rare earths. O. Ya. Mogilevskaya and N. I. Raikhlin	195
Ch. III. Experimental Studies of the Effects on an Organism of Industrial Dust of Mixed Composition Containing Rare and Other Metals and their Compounds.	
1. Industrial dust from ore concentrates. O. Ya. Mogilevskaya	209
2. Industrial dusts at powder-metallurgy plants (hard alloys). Z. S. Kaplun (Deceased) and N. V. Mezentsova	209
3. Dust of metallurgical (Bessemer) slags. I. V. Roshchin	227
4. Industrial dust from copper ores. Kim Tai-in	238
5. Industrial dust from luminophores. E. I. Gol'dman et al	245
6. Dust of new thermoresistors (chrome-magnesium and magnesiochromite). T. A. Roshchina	249
7. Dust in the production of tin. M. I. Khlebnikova	265
	278

Card 3/ 4

IZMAEL'SON, Z.I., 1963. (MIRA 1712)

More attention to the preparation of sanitary control physicians.  
Soviet. zhivovskim. 12 no. 12: 18-19 1963 (MIRA 1712)



IZRAEL'SON, Z.I., prof.; CHEPKINSKIY, S.N., prof.

Cooperation of hygiene-concerned social groups with public health institutions to improve the training of hygienists and public health physicians. Gig. i san. 28 no. 623-8 Jan 63  
(MIRA 174)

1. Chlen-korrespondent AMN SSSR (for Izrael'son).

ACC NR: AP7006229

At all the concentrations studied, the specific conductance  $\chi$  of ADP and D-ADP solutions changed linearly with temperature (between 25 and 70°C). Because of the lower mobility of  $D^+$  ions as compared to  $H^+$ , the conductance of saturated D-ADP solutions is much less than that of ADP solutions. Using the relationships established in the study, the authors grew homogeneous single crystals of ADP and D-ADP for research purposes. The authors thank A. V. Shubnikov for discussing the results and Ya. I. Ryskin for analyzing the IR spectra and determining the degree of deuteration of D-ADP crystals. Orig. art. has: 5 figures and 3 tables.

SUB CODE: 07/ SUBM DATE: 03Feb65/ ORIG REF: 005/ OTH REF: 006

Card 2/2

IZRAILEV, A.A.

Effectiveness of blood transfusion in certain diseases in a  
polyclinic. Probl.gemat. i perel.krovi 4 no.4:60-61 Ap '59.  
(MIRA 12:6)

1. Iz khirurgicheskogo otdeleniya Kaluzhskoy oblastnoy bol'-  
nitsy (glavnyy vrach G.L.Nishchinskiy).  
(BLOOD TRANSFUSION, in var. dis.  
effectiveness (Rus))

Mass blastings for removal and dumping in the construction of coal mine pits. Moskva,  
Ugletekhizdat, 1949. 222 p. (56-26832)

TN803.K3

1. Blasting. 2. Coal mines and mining - Explosives. I. Izraeliev, A. I., jt. au.